

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **05-068745**
 (43)Date of publication of application : **23.03.1993**

(51)Int.Cl. **A63F 7/02**
A63F 7/02
A63F 7/02
A63F 7/02
A63F 7/02

(21)Application number : **03-234317**
 (22)Date of filing : **13.09.1991**

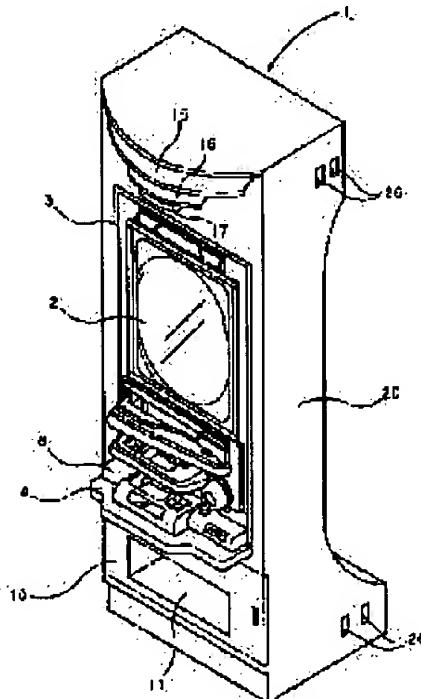
(71)Applicant : **TAKEYA:KK**
 (72)Inventor : **TAKEUCHI MASAHIRO**
WAKANA YOSHIO
TAYUI MAKOTO
TAKEUCHI HIDEKATSU

(54) FUNCTIONAL INDEPENDENT PINBALL MACHINE

(57)Abstract:

PURPOSE: To provide an epoch-making playing device with a simple configuration which allows itself to be easily installed by building all related parts involved in the operation of pinball machines into an independent installation frame so that the device and related parts are integrally formed.

CONSTITUTION: A functional independent pinball machine 1 is hinged to a front frame door 3 provided with a mechanism for providing from the behind a single pinball machine 2 at the front central part of a frame 20 and has a counter 4 with a return ball count device 8 provided in the front frame door 3 so that the counter 4 can be easily removed. A closing door 10 with a fencing part 11 is provided at the waist part of the frame 20 in a manner that the door 10 can easily be opened and closed and a lighting device 15 and a calling device are formed at the top of the frame 20. The pinball machine 2 includes a polishing device and a ball collection mechanism which are linked, has internally provided a count managing computer and a deposit ball receipt issuance mechanism, and is formed so that the computer and a power line can be connected to a main line. This allows an epoch-making island configuration which is very effective in economic and industrial terms.



LEGAL STATUS

[Date of request for examination] 24.01.1997
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's
decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number] 2803405
[Date of registration] 17.07.1998
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of
rejection]
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] this invention relates to the pachinko equipment characterized by having made all the associated equipment about pachinko machine operation with the independent equipment built-in according to each base, and constituting it possible [connection] free.

[0002]

[Description of the Prior Art] Since Original Engineering Consult. was usual, therefore island alternating current equipment changed respectively with the number of pachinko machine installation and the hole situations of a hole, **** manufacture with the specification product which carried out homogeneity was impossible for the conventional pachinko **** composition. For the reason, after engineering-drawing completion of a hole, **** made **** manufacture start there be nothing, and the manufacture number of a short period of time was also limited. Moreover, also in *****, the complicated routing took many helps and construction periods. For example, as a pachinko **** manufacture means, the wooden-flask group of 1 **** units (six sets, four sets, two etc. sets, etc.) is beforehand formed corresponding to the number of pachinko machine hold, more than one are connected according to the installation total number of 1 ****, and series-like **** is formed.

[0003] A manufacture means to by _ which the equipment which circulates through the sphere which furthermore arranges large-sized **** transfer-by-lifting equipment in the center of *****, forms a makeup tank in the upper part, forms a large-sized reservoir tank in the lower part, and is discharged from each pachinko machine in relation to this **** transfer-by-lifting equipment smoothly with island alternating current equipment used **** more than required and large-scale equipment as an original product could not be mass-produced, and had many problems also in economical efficiency and workability.

[0004]

[Problem(s) to be Solved by the Invention] Without being related to what hole situation by carrying out built-in equipment of all the associated parts that accompany pachinko machine operation into the framework for pachinko machine independent installation, and really considering as formation, this invention offers the epoch-making game equipment considered as simplicity and deferred type composition, is the equalized specification product and makes mass-production organization possible.

[0005]

[Means for Solving the Problem] The functional independent type pachinko equipment applied to this invention in order to attain said purpose It forms free [connection and fixation of the framework of the abbreviation rectangle attached decoratively per pachinko machine]. Hinge front **** on this framework transverse plane, and a pachinko machine is formed in a center section possible [a decoration] free [attachment and detachment] in the shape of a frame. Equip with a return sphere counter on the counter of this front ****, and it forms free [opening and closing of the opening-and-closing door which prepared the shelf in the bottom of this front ****]. Lighting and a call mechanism are formed in this front **** upper part, computer management of nothing and the circulation ball is carried out by distinction so that the ball of a constant rate may circulate automatically via a pachinko machine and a return sphere counter in this framework, and it is characterized by constituting so that a display and a printer mechanism may be interlocked with.

[0006]

[Function] All the section supplies that accompany operation of the pachinko machine 2 are built in a framework 20, and installation composition is carried out in arbitrary arrays by the connection section 26 and the fixed part 27 which were prepared in the side of a framework 20. In exchange of the pachinko machine 2 and maintenance, before **** 3 is opened wide, and attachment and detachment are made free. Moreover, based on a game person's game condition, management through figures is carried out with the return sphere counter 8. Moreover, it is constituted so that distinction management of a ball on hire and the circulation ball as awarded balls may be carried out with a computer means. The out sphere socket 21 is accumulated, and the sphere discharged from the pachinko machine 2 flows into a upper tank 24 via polish equipment 22 and the transfer-by-lifting machine 23, and is introduced to the awarded-balls tank 25 of the pachinko machine 2.

[0007]

[Example] With reference to a drawing, this invention is explained in detail below. front **** 3 which drawing 1 shows the

whole functional standalone version pachinko equipment 1 (following pachinko equipment and abbreviated name) perspective diagram, and drawing 2 makes the attachment section of the pachinko machine 2 of pachinko equipment 1 -- opening -- a view is shown the bottom

[0008] If the composition of pachinko equipment 1 is explained further in full detail, by abbreviation pachinko machine 2 breadth, the front face of the box which formed the framework 20 in the shape of a cross-section abbreviation rectangle will be covered with an ornament board, and opening formation of the attachment section of the pachinko machine 2 will be carried out in the center section. 1 side of front **** 3 which blockades opening is supported to revolve, and it hinges free opening] (illustration ellipsis). front **** 3 is formed in the shape of a frame -- having -- equipment [machine / pachinko / 2 / usual] is possible -- carrying out -- the return sphere counter 8 -- a counter 4 top -- one ---like -- attachment **** said return sphere counter 8 is formed corresponding to a lower pan, and is shown in a counter 4 at installation or drawing 5 -- as -- a large-scale configuration -- forming -- counting -- it is formed so that management through figures may be carried out with a means, a display means, a printing means, a settlement-of-accounts means, and a receipt issue means On the other hand, front **** 3 is wide opened in the case of exchange attachment of the aforementioned pachinko machine 2, and it has removable composition from the rear-face side free. Opening which makes repair easy in the case of failure is prepared in the inferior surface of tongue of front **** 3 at the next, and the opening-and-closing door 10 supports an unilateral to revolve, and hinges it free [opening]. In addition, in illustration, although it is Mukai's open explanation on the other hand, an open state is not limited. Moreover, **** formation of the shelf 11 is carried out at the front-face side of the opening-and-closing door 10.

[0009] Furthermore a lighting system 15 is formed in the topmost part of a framework 20, and a calling device 16 and the grand prize flash plate 17 are formed in one by the shape of ****. Although ****-like equipment explains the configuration of a lighting system 15, and a lighting means by this invention, the configuration of them which heightens the ornament effect is made free to selectable formation.

[0010] Based on drawing 2 or drawing 3, rear-face structure is explained below. The out sphere socket 21 which accumulates the sphere emitted from said return sphere counter 8 is formed, a contact free passage is carried out, polish equipment 22 (illustration ellipsis) is horizontally formed in the out sphere socket 21, and set-up formation of the transfer-by-lifting machine 23 which is perpendicular and goes up the end section of the pachinko machine 2 is carried out from the termination of polish equipment 22. A upper tank 24 is formed in the trailer of the transfer-by-lifting machine 23, and it is constituted so that a sphere may be introduced from a upper tank 24 to the awarded-balls tank 25.

[0011] In addition, let the circulator style which holds the minimum number of balls needed for a game in equipment, carries out distinction management of the circulation sphere as a ball on hire and awarded balls with a computer control means, and once presents a game person, and ***** by return be a summary.

[0012] Although formed the game equipment which carried the function about a pachinko game in the independent framework 20 as mentioned above, two or more connection sections 26 were formed in the lateral portion of a framework 20, the fixed part 27 was respectively formed in the inferior-surface-of-tongue section of this framework 20 and the example of arrangement was shown in drawing 6 drawing 7, it corresponds to a hole situation, and defers and connects free, and the pachinko machine train in the series longitudinal direction arbitrary number is constituted.

[0013]

[Effect of the Invention] By the above explanation, the following effects are done so by making it the functional independent type pachinko equipment for every base of this invention so that clearly.

1. **** composition is possible with the specification product which can connect simple substance equipment with the situation in a hole free without limitation, and mass-production organization can be measured. Device selectors, such as not in-series equipment but a sinuate, are possible like a hole before, and the hole proposal which was rich in variety is made.
2. Based on mass-production organization, it is large relief of a manufacture period with a labor cost and the kit method which can carry out assembly of anyone.
3. Curtailment of manufacture unit price by reduction of section supply.
4. The simple nature of **** carrying-in work and installation can be measured, and don't need many storage areas, either.
5. Upgrade and individualization of an ornament portion are selectable.

The epoch-making **** composition which the effect given economically and industrially above becomes serious, and is not in the former is offered.

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the perspective diagram of the functional standalone version pachinko equipment concerning an example.

[Drawing 2] It is the perspective diagram showing the internal structure concerning an example.

[Drawing 3] It is the perspective diagram showing the internal structure concerning an example.

[Drawing 4] It is the front view showing the back structure concerning an example.

[Drawing 5] It is the perspective diagram showing an example besides this invention.

[Drawing 6] It is example drawing 1 of arrangement of this invention.

[Drawing 7] It is example drawing 2 of arrangement of this invention.

[Description of Notations]

1- Functional standalone version pachinko equipment,

2 and a pachinko machine,

3 and before ****,

4 and a counter,

8 and a return sphere counter,

10 and an opening-and-closing door,

11 and a shelf,

20 and a framework,

22 and polish equipment,

23 and a transfer-by-lifting machine,

26 and the connection section.

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] The framework of the abbreviation rectangle which carries out management through figures of the game sphere of a pachinko machine, and attaches it decoratively per pachinko machine in the mechanism in which it ***** is connected. Form free [fixation], and hinge front **** on this framework transverse plane, and a pachinko machine is formed in a center section possible [a decoration] free [attachment and detachment] in the shape of a frame. Equip with a return sphere counter on the counter of this front ****, and it forms free [opening and closing of the opening-and-closing door which prepared the shelf in the bottom of this front ****]. Functional independent type pachinko equipment which formed lighting and the call mechanism in this front **** upper part, carried out computer management of nothing and the circulation ball by distinction so that the ball of a constant rate might circulate automatically via a pachinko machine and a return sphere counter in this framework, and was constituted so that a display and a printer mechanism might be interlocked with.

[Translation done.]